

MINING, MARKETS, FINANCIAL

NEW MACHINERY EN ROUTE TO MINES

JEROME DISTRICT REPORTS SEVERAL ACTIVITIES ALONG LINES OF MORE DEVELOPMENT.

(Jerome News.)

The new machinery for the Arkansas and Arizona has been shipped, and is now on the way to the mine. The local people are eagerly awaiting its arrival as everything at the mine is ready for its installation. The improvement of conditions at the Haynes, where it is reported a large ore body has been penetrated, is good news to neighboring properties, and especially to the Arkansas and Arizona. Regarding this strike General Manager Campbell said to a News man that the ore body exposed was directly under diamond drill hole No. 2 that was sunk to a depth of 613 feet. The ore body was encountered in the 700 foot drift, and is thought to be the identical body exposed at the surface. The ore carries values in copper, gold and silver, while some of it carries good values in sulphate and carbonate of copper. The work on the Haynes, in all of its workings, is giving very satisfactory returns.

On Wednesday Mine Superintendent Dean started to put in pipe at the Jerome-Verde Copper for the new pump. This pump will handle 200 gallons of water per minute. This pump will be worked by electricity supplied by the Arizona Power company. Before installing the new pump 455 feet of shaft and drifts will have to be unwatered. This work will be done with the steam power. It is thought that this work can be accomplished in fifteen days, but it may take some days longer. With the new machinery there is no doubt but that the work of development will be carried on without interruption, as the old plant will be reinforced so that should the new one fail at any time, the water can be easily handled by the old. It is the intention of the company to carry the old shaft down 200 feet deeper which will give it a depth of from 4x7 to 4x8 feet and make a double compartment, the older part of the shaft above to be enlarged to conform to it. Three shafts are to be worked and development rushed ahead as rapidly as possible. At the Cleopatra and Hull work is being rushed along as usual under Foreman Mike Pender, who reports an extra encouraging showing in the 3600 drift on the Hull as well as in the other drifts being run. On the Cleopatra ore continues to show up in all points under development. This mine is rapidly developing into a big producer of rich ores. They continue to pile up ore at the smelter.

At the United Verde Extension the development of the ore body continues, as well as that of drifting to cut the ore body at a greater depth. Each day's work on this property increases its value.

ASSESSMENT STORY.

A comparison of the number of assessments of each year during the past five years shows that the county is growing. The following is the number of assessments made annually since 1906:

1906	4293
1907	5109
1908	5558
1909	5942
1910	6505

The assessed valuation of mine production for 1910 is \$4,887,505.29; total valuation of all property in the county is \$18,866,525.86. The total amount of exemptions is \$609,116.99. After deducting the exemptions it leaves the net assessed valuation for 1910 of \$18,257,411.96; this being an increase of \$209,637.05 over the assessment of 1909.

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ARROWHEAD HOT SPRINGS ANNOUNCEMENT.

Prof. G. E. Bailey, professor of geology in the University of Southern California, and a chemist of high repute, has just completed a two months' examination of the hot waters and mud of ARROWHEAD SPRINGS and found both highly radio-active, which discovery is of the greatest importance and a reasonable explanation of the high results obtained at these springs in the treatment of KIDNEY, STOMACH, LIVER and RHEUMATIC troubles. The medical department is under the charge of a skilled physician and the management is now specially prepared to treat BRIGHT'S DISEASE and DIABETES, which troubles are generally considered incurable. Any case of Bright's Disease or Diabetes that we undertake to treat and fail to cure or greatly benefit, we will make no charge for treatment. Explanatory printed matter sent upon application and correspondence solicited.

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INDEPENDENT ENGINEER FINDS THE C & A IN GOOD CONDITION

Boston—A New York banker largely interested in Calumet & Arizona had his engineer make an examination of the property in April of this year. The Boston News Bureau is able to present his report as follows.

"The oxide ore southwest of the Irish Mag shaft has been opened up from the 750-foot level above the 550-foot level, and the 450-foot is running to catch its extension upwards. A large cave was found on the 500-foot level, the exact dimensions of which are now undetermined but there is considerable oxide in the north end. It is not a solid ore body but made up of bunches of stringers in leached material.

On the 850-foot level in the Irish Mag ore is being mined from the portion where they were driven out some years ago by a cave-in. There is possibly 100 feet of vertical ore covering an area of 50 by 100 feet containing about 6 per cent copper.

"On the 950 1050 and 1150-foot levels of the Oliver shaft a large quantity of oxide ore is being produced and comes from an extension of the old rich ore bodies around this shaft. On the 1150-foot level there is an area of oxide and sulphide ore of even grade running about 6 per cent copper. They have had these ore bodies for several years but never worked them hard. The last few months of development has shown considerably more ore than was expected.

"A new big sulphide deposit at the end of the Buckeye claim was found several years ago on the 1250-foot level and in the last few months was cut on the 1350-foot level. From the 1300 up to the 1200 it is still unexplored

and represents a block—100 feet high and approximately 150 by 125 feet. The ore body represents a large and valuable reserve of rich ore to the Calumet & Arizona property and demonstrates the value of developing after the route of known ore bodies even if the first is small. This is the largest body of sulphide ore yet found on the Calumet & Arizona and in a country where so far as previous experience goes no valuable deposits of copper ore have been found.

"The small ore body on the 1250-foot level of the Gibraltar claim is being developed. It is a new country and the ore is very rich—12 per cent copper. So far they have cut 40 feet one way and 50 feet the other way.

"At the junction of the Gibraltar and Sunnyside claims there is an ore body in common with the Superior & Pittsburg, discovered from the Cole shaft and mined on for two years. Recently the Calumet & Arizona has started to mine there. It is not thought now to be a large body of oxide but is bunchy but of good grade—7 per cent copper.

"On the drift running from the Oliver shaft to the Gibraltar 15 feet of sulphide ore was cut just over the Buckeye line, but is not explored."

Supplementing the report, the engineer states after his examination new ore bodies have been found and that the large sulphide deposit at the end of the Buckeye claim has been greatly extended.

The engineer further states that the cost of producing Calumet & Arizona copper for the month of January was \$2.25 cents per pound which was a fair average month and was simply selected at random.

PEACE RUMORS AMONG COPPER MEN INTEREST

With no Definite Proof That Fight Is Over Stocks Show Strength on Mere Report of Street.

(By L. J. Overlock.)

BOSTON, July 20.—Persistent rumors of curtailment and coming together of large copper interests caused activity and higher prices in the general copper market today, although no definite information on this subject seemed to be obtained. Rise in the Amalgamated and Utah Copper in the New York market had a very favorable influence in the local market and a better demand springing up all along the line with offers very light in the leading issues. This is accounted for by the heavy liquidation that has taken place in our market in the last 60 days.

Whatever selling there has been of late was more on account of absolute necessity than anything else. We don't believe in buying on these bulgeys such as we had today but good copper should be picked up on a scale from every reaction as the situation is bound to change for the better before many days.

Paine Weber & Co.

Curbs continue dull with only scattered transactions. Shattuck advanced to 22 7/8 bid with only offerings at 24. Denn sold at 2 1/2 with some offering at 2 5/8. Live Oak unchanged with offerings at 18. Chion active 1-2 up. Ray Cent. Ray Cons. fractionally up.

CURBS

Saginaw bid	18
Az. Michigam	20
Arizpe	20
R. Mtn.	15
Bohemian	42
B. and A.	4
B. and L. ax	15
Chemung ax	8
Cactus	2
Cordova	40
Full paid ax	1
Denn	23
D. Daly	25
Gila	5
Ojib.	6
Insp.	7
Chino	11 1/2
Keymont	3
Live Oak ax	18
Nat. Ex.	17
Nip.	102
Raven	20
Ray Cons.	17 1/2
Ray Cent.	21
Rosalia	40
Sierra bid	40
San Antonio ax	21
Shattuck	7
Silver Leaf	22 1/2
Warren ax	7
N. Tigre	2
Superior Globe	20
Elenita ax	63
Ely Cent.	63
Ely Cons.	22
Cal Sonora ax	15 1/2
South Lake	43

By Frank J. Graf

(Member Duluth Stock Exchange)
The market showed a decided turn at the opening, and prices stiffened through out the list, towards noon however a slight reaction took place and some prices showed a decline for the day. Anaconda, North Butte Calumet and Arizona closed at 50. Dominion, were in excellent demand. Calumet and Arizona closed at 50. 3-4, and advance of three points for the day. Superior and Pittsburg showed good support, closing at 10 1/2. Greene Cananea sold up to 7 1/8. Shattuck-Arizona has mailed check today to the stockholders on record. It being their first dividend. Denn Arizona is weak, although Little stock is coming out. The Lake issues show better strength. I am inclined to believe that we might see better prices and do not think that the copper situation is as bad as pictured. July will very likely show a big increase. Total New York sales 331,000.

BOSTON

Amalgamated	60 1/2
Anaconda	38 3/8
Aloues	35
Atlantic	64
Ariz. Com.	133
Butte Coalition	172
Calumet and Arizona	50
Calumet and Hecla	51 1/2
Centennial	144
Copper Range	61 1/2
East Butte	62
Granby ax	34
Greene Cananea	67
Isle Royale	16
Keeweenaw	3
Mohawk	44 1/2
Miami	18
Michigan	18
Nevada Cons.	4
North Butte	22 1/2
Old Dominion	22 1/2
Oscoda	119 1/2
Parrot	12
Quincy	70
Shannon	92
Superior Pittsburg	10 1/2
Superior Copper	39 5/8
Superior Boston	8
Tamarack	51
Trinity	42 1/2
Utah Cons.	21
U. S. Mining	36 1/2
Utah Copper	43 1/2
Victoria	23
Wolverine	10

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NOTICE.

All legal voters over the age of 21 years are required to register in order to be qualified to vote at the constitutional convention election and all other elections that may be held, until after the first state election. This will probably be the last registration until that time. My office is now open for registration.
OWEN E. MURPHY,
Justice of the Peace, Lowell.

NEW YORK

Missouri Pacific	59
Rock Island	31 1/2
Southern Pacific	114
St. Paul	122 1/2
Penn.	128 1/2
N. Y. Central	114
A. T. and S. F.	92 1/2
L. and N.	143
Northern Pacific	16 1/2
Union Pacific	32 1/2
Southern Railway	109 1/2
C. F. I.	32
U. S. Steel	70
U. S. Steel Pfd.	113 1/2

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Arizona & New Mexico Railway Company TIME TABLE

No. 1	No. 2
Mail	Mail
and Express	and Express
Daily	Daily
A. M.	P. M.
7:10.....Clifton	4:50
7:17.....Stock Yard	4:43
7:28.....North Siding	4:34
7:32.....South Siding	4:30
7:45.....Guthrie	4:11
7:55.....Coronado	4:06
8:04.....York	3:57
8:18.....Sheldon	3:43
8:25.....Duncan	3:32
8:44.....Franklin	3:19
8:53.....Thompson	3:07
9:13.....Summit	2:48
9:23.....Sand Spur	2:39
9:27.....Vetch	2:34
9:40.....L. & H. Junction	2:30
9:45.....Lordsburg	2:00
10:00.....L. & H. Junction	1:55
10:05.....Oil Siding	1:50
10:21.....Robert	1:35
10:28.....Brockman	1:17
11:05.....Hachita	12:50
American Sugar	120
American Smelters	70 1/2
B. and O.	109 1/2
Canadian Pacific	185 1/2
Western Union	61



CUT OFF PLENTY

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